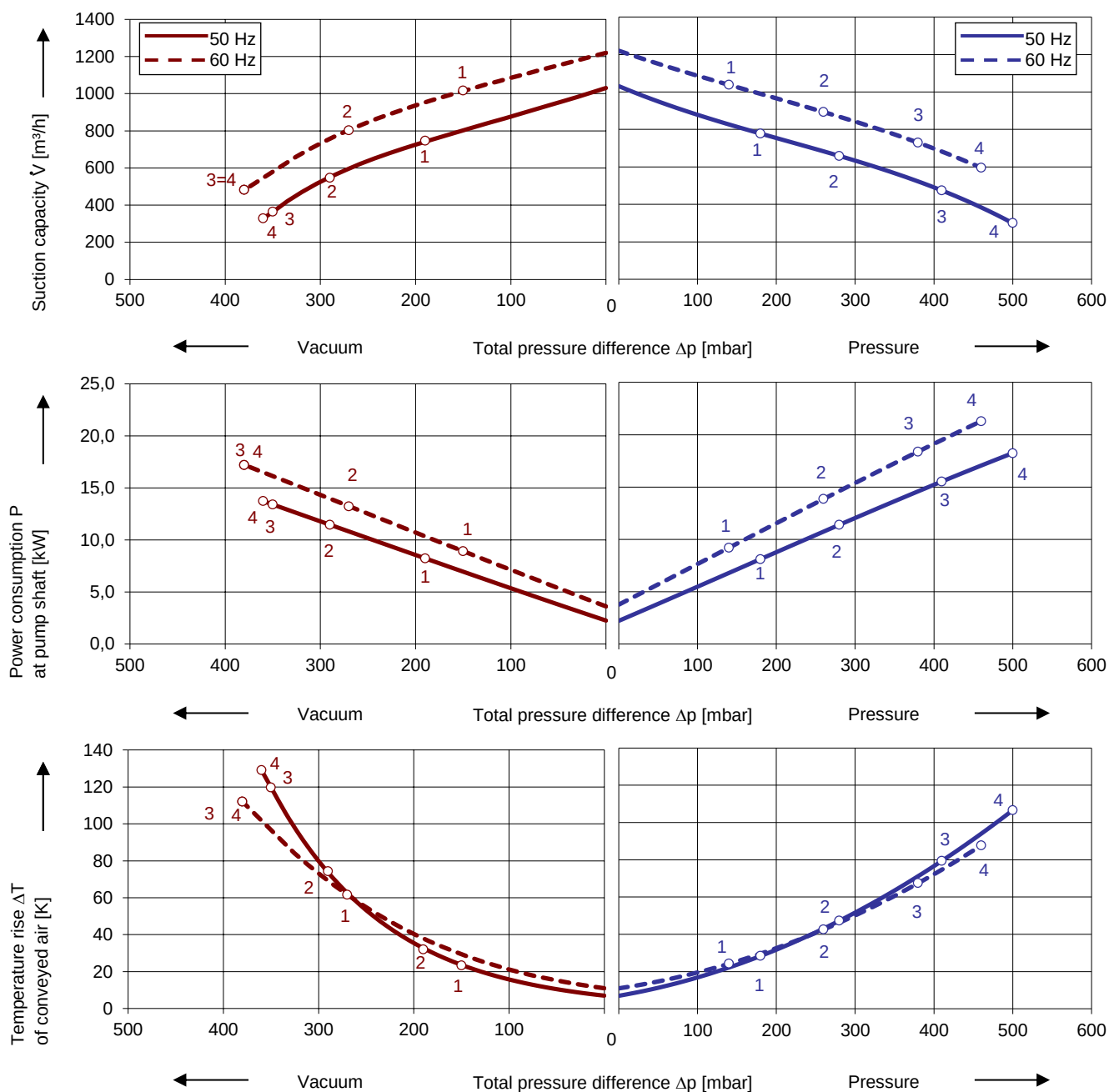


Performance curves

Vacuum operation

Compressor operation



The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of ± 10 %. The total pressure differences are valid for suction and ambient temperature up to 25 °C. For other conditions please get in touch with us.

All Greenco blowers can be used both as vacuum pump and compressor in continuous operation over the total performance curve range. The motors are available as standard in protection category IP 55 and insulation class F.

Selection and ordering data											
Type 2RB 910											
No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pres. Level ³⁾	Efficiency class ⁴⁾	Weight approx.	Order No.	
		Voltage ¹⁾	Current	Power	Vacuum	Pressure					
		V	A	kW	mbar						dB(A)
IE3 3~ 50/60 Hz, IP55, Insulation material class F											
1	50	190-210△	30,8△	8,6	-190	180	71	IE3	105	2RB 910-1AP01	
	60	190-210 YY / 380-420 Y	35,2 YY/ 17,6 Y	9,9	-150	140	75	IE3			
2	50	190-210△	46,4△	12,6	-290	280	71	IE3	124	2RB 910-1AP11	
	60	190-210 YY / 380-420 Y	52,8 YY/ 26,4 Y	14,5	-270	260	75	IE3			
3	50	190-210△	63,1△	17,3	-350	410	71	IE3	130	2RB 910-1AP21	
	60	190-210 YY / 380-420 Y	72,2 YY/ 36,1 Y	19,9	-380	380	75	IE3			
4	50	190-210△	76,2△	21,3	-360	500	71	IE3	138	2RB 910-1AP31	
	60	190-210 YY / 380-420 Y	87,4YY/ 43,7 Y	24,5	-380	460	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F											
1	50	220-240 △ / 380-420 Y	26,8 △/ 15,5 Y	8,6	-190	180	71	IE3	105	2RB 910-1AP06	
	60	220-240 YY / 440-480 Y	30,6 YY/ 15,3 Y	9,9	-150	140	75	IE3			
2	50	220-240 △ / 380-420 Y	40,3 △/ 23,3 Y	12,6	-290	280	71	IE3	124	2RB 910-1AP16	
	60	220-240 YY / 440-480 Y	46,0 YY/ 23,0 Y	14,5	-270	260	75	IE3			
3	50	220-240 △ / 380-420 Y	54,9 △/ 31,7 Y	17,3	-350	410	71	IE3	130	2RB 910-1AP26	
	60	220-240 YY / 440-480 Y	62,8 YY/ 31,4 Y	19,9	-380	380	75	IE3			
4	50	220-240 △ / 380-420 Y	66,3 △/ 38,3 Y	21,3	-360	500	71	IE3	138	2RB 910-1AP36	
	60	220-240 YY / 440-480 Y	76,0 YY/ 38,0 Y	24,5	-380	460	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F											
1	50	380-420 △ / 660-725 Y	15,5△/ 8,9 Y	8,6	-190	180	71	IE3	105	2RB 910-1AQ07	
	60	440-480△	15,3 △	9,9	-150	140	75	IE3			
2	50	380-420 △ / 660-725 Y	23,3 △/ 13,4 Y	12,6	-290	280	71	IE3	124	2RB 910-1AQ17	
	60	440-480△	23,0△	14,5	-270	260	75	IE3			
3	50	380-420 △ / 660-725 Y	31,7 △/ 18,3 Y	17,3	-350	410	71	IE3	130	2RB 910-1AQ27	
	60	440-480△	31,4△	19,9	-380	380	75	IE3			
4	50	380-420 △ / 660-725 Y	38,3 △/ 22,1 Y	21,3	-360	500	71	IE3	138	2RB 910-1AQ37	
	60	440-480△	38,0△	24,5	-380	460	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F											
1	50	475-525 Y	12,4 Y	8,6	-190	180	71	IE3	105	2RB 910-1AQ03	
	60	550-600 Y	12,2 Y	9,9	-150	140	75	IE3			
2	50	475-525 Y	18,6 Y	12,6	-290	280	71	IE3	124	2RB 910-1AQ13	
	60	550-600 Y	18,4 Y	14,5	-270	260	75	IE3			
3	50	475-525 Y	25,4 Y	17,3	-350	410	71	IE3	130	2RB 910-1AQ23	
	60	550-600 Y	25,1 Y	19,9	-380	380	75	IE3			
4	50	475-525 Y	30,6 Y	21,3	-360	500	71	IE3	138	2RB 910-1AQ33	
	60	550-600 Y	30,4 Y	24,5	-380	460	75	IE3			

- 1) In case of frequency converter operation the standard motor insulation system is suitable for converter input voltages up to 500 V.
- 2) Relief valves available for limiting differential pressure.
- 3) Measuring surface sound pressure level acc. to EN ISO 3744, measured with an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but no relief valves fitted, tolerance ±3 dB (A).
- 4) The motors according to NEMA MG1-12. NP=NEMA Premium; NEMA Premium includes IE3.

All 2RB blowers match the 2006/42/EC (machinery) and 2014/35/EU (low voltage) directives and the EN 60034 norm "Rotating electrical machines".

Service factor (SF) and motor efficiency according NEMA MG1-12.

Voltage tolerances for three phase motors are +/-10%.

The frequency tolerance is +/- 2 % maximum.

Motor for alternate voltages						
Voltage range			Efficienc η _s	60 Hz	2RB ...-1.	
50 Hz	60Hz					
3~						
200 V Δ	200 V YY / 230 V Δ / 400 VY		NEMA Premium IE3	•		P 1
190-210 V Δ	190-210 VYY / 220-240 V Δ / 380-420VY		NEMA Premium IE3	•		P 6
200 V YY / 230 V Δ / 400 VY	230 V YY / 460 VY		NEMA Premium IE3	•		Q 3
190-210 VYY / 220-240 V Δ / 380-420VY	220-240 VYY / 440-480VY		NEMA Premium IE3	•		Q 5
475-525 V Y	550-600 V Y		NEMA Premium IE3	•		Q 6
475-525 V Δ	550-600 V Δ		NEMA Premium IE3	•		Q 7
220-240 V Δ / 380-420 V Y	440-480VY		NEMA Premium IE3	•		
400 V Δ / 690 V Y	460 V Δ		NEMA Premium IE3	•		

Changes in particular of the quoted performance curve, data and weights may occur without prior notice. The data given does not constitute an obligation from our side to deliver as shown